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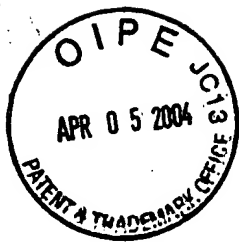
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: L. Paskar

GROUP ART UNIT: N/Y/A

SERIAL NO.: N/Y/A

EXAMINER: M. Bockelman

FILED:

DOCKET NO.: 39868/24659

FOR: Shapeable Catheter

**Declaration of James F. Benenati, M.D.**

1. I am an interventional radiologist, licensed to practice in the states of Florida, Indiana (inactive) and Maryland (inactive). I received my M.D. degree in 1984 from the University of South Florida College of Medicine, in Tampa, Florida. I was a resident in radiology from 1984-88 at Indiana University Medical Center, in Indianapolis, Indiana, and completed my fellowship in 1989 at the Department of Radiology of The Johns Hopkins Medical Institution, in Baltimore, Maryland. I am currently Voluntary Professor of Radiology at the University of Miami School of Medicine, in Miami, Florida. I am also Medical Director, peripheral Vascular Laboratory, and Program Director, Vascular/Interventional Radiology Fellowship, at the Miami Cardiac & Vascular Institute of Baptist Hospital of Miami, Florida. My resumé is attached as Exhibit 1 to this declaration.

2. I am familiar with medical procedures, including the following procedures listed in the patent disclosure<sup>1</sup> of Larry Paskar, M.D.:

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<sup>1</sup> My identification of these procedures is based upon their disclosure in U.S. Patent 5,304,131.

Selective cerebral artery catheterization procedures  
Selective visceral artery catheterization procedures  
Selective intracerebral artery catheterization procedures  
Selective arterial angioplasty catheterization procedures  
Selective venous catheterization procedures  
Percutaneous cholangiography procedures  
Percutaneous nephrostomy procedures

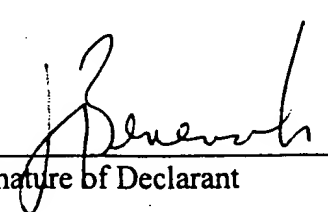
3. Based upon my experience, these procedures are routinely performed under fluoroscopic examination, and any one of any skill trained in these procedures would know that they are performed under fluoroscopic examination.

4. The disclosure of the various procedures in the Paskar patent disclosure would inherently disclose to one having at least ordinary level of skill in the art that these procedures are performed under fluoroscopic examination.

5. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize that validity of the application or any patent issued thereon.

Date: \_\_\_\_\_

3/14/01

  
\_\_\_\_\_  
Signature of Declarant



## CURRICULUM VITAE

James F. Benenati, M.D.

**Current Position:**

Interventional Radiologist  
Medical Director, Peripheral Vascular Laboratory  
Program Director, Vascular/Interventional Radiology Fellowship  
Miami Cardiac & Vascular Institute  
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----- 1989-Present -----

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1989-Present

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**Business Address:**

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Miami, Florida 33176  
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**Personal Information:**

Date of Birth:	August 16, 1956
Birthplace:	Mineola, New York
Marital Status:	Married / Susan V. Benenati, M.D.
Children:	Three
Citizenship:	U.S.A.

**Education:**

Fellowship/Instructor	1988~1989
CardioVascular Diagnostic Laboratory Division Department of Radiology The Johns Hopkins Medical Institution Baltimore, Maryland	
Residency/Department of Radiology	1984~1988
Indiana University Medical Center Indianapolis, Indiana (Chairman: Eugene C. Klatte, M.D.)	
M.D. University of South Florida College of Medicine	1980~1984
Tampa, Florida (Top 10% of Class)	
Post Graduate Studies	
University of Florida	1978~1979



B.S. University of Notre Dame  
Notre Dame, Indiana (Professional Studies)

1974~1978

High School Cardinal Gibbons High School  
Ft. Lauderdale, Florida

1970~1974

<b>Medical Licenses:</b>	Indiana	#01035153	(Inactive)
	Maryland	#D36782	(Inactive)
	Florida	#ME0055915	

<b>Board Certification:</b>	Diplomate, American Board of Radiology	1988
	Certificate of Added Qualification -	
	CardioVascular and Interventional Radiology	1995

<b>Current Academic Appointments:</b>	Voluntary Assistant Professor
	Department of Radiology
	University of Miami School of Medicine
	Miami, Florida
	1/91~Present
	Courtesy Associate Professor
	Biomedical Engineering Institute
	Florida International University (FIU)
	2/10/2000 ~ Present
	Clinical Assistant Professor of Radiology
	Department of Radiology
	University of South Florida College of Medicine
	Tampa, Florida
	7/97 ~ Present

<b>Past Accademic Appointments:</b>	Assistant Professor of Radiology & Surgery
	CardioVascular Diagnostic Laboratory Division
	Department of Radiology
	The Johns Hopkins Medical Institution
	Baltimore, Maryland
	7/89~12/89

<b>Hospital Appointments:</b>	Baptist Hospital of Miami	1990~Present
	Miami, Florida	
	South Miami Hospital	
	Miami, Florida	
	Jackson Memorial Hospital	1992~Present
	Miami, Florida	
	Veterans Administrator Hospital	
	Miami, Florida	

	The Johns Hopkins Hospital Baltimore, Maryland	1988~1989
	Indiana University Hospital Indianapolis, Indiana	1984~1988
	James Whitecomb Riley Hospital Indianapolis, Indiana	1984~1988
	Wishard Memorial Hospital Indianapolis, Indiana	1984~1988
	Veteran's Administration Hospital Indianapolis, Indiana	1984~1988
<b>Work Experience:</b>	Teacher, Biology and Religion Coach, Football and Basketball Cardinal High School Ft. Lauderdale, Florida	1979 ~1980
<b>Honors:</b>	Fellow SCVIR	1998 ~ Present
	Fellow American Heart Association	1994 ~ Present
	Dean's Council Indiana University School of Medicine Indianapolis, Indiana	1995 ~ 1997
	SANDOZ Award for Academic Excellence and Leadership	1984
	Chief Resident, Department of Radiology Indiana University Medical Center Indianapolis, Indiana	1986~1987
	Outstanding Student in Radiology University of South Florida College of Medicine	1984
	Student Government - President, 2 Terms University of South Florida College of Medicine	1983 ~ 1984
	Student Government - Vice President University of South Florida College of Medicine	1982
	Notre Dame Scholar (Complete Academic Scholarship) University of Notre Dame	1974~1978
	Director ICAVL	2000

## Publications:

1. Benenati JF, Becker GJ, Mail JT, Holden RW: Digital Subtraction Venography in Central Venous Obstruction. *AJR* 1986;147:685-688.
2. Becker GJ, Cikrit DF, Lalka SG, Benenati JF, Ehrman KO, Palmaz JC: Early Experience with the Palmaz Balloon Expandable Intraluminal Stent in Human Iliac Angioplasty. *Indiana Medicine* 1989; 82(9):700-705.
3. Benenati JF: *Invited Commentary* Gross Hematuria in Two Patients with Urethral-Ileal Conduits and Double-J Stents. *JVIR* 1990;1(1):78.
4. Widlus DM, Venbrux AC, Benenati JF, Mitchell SE, Lynch-Nyhan A, Cassidy FP Jr., Osterman FA: Percutaneous Management of Brachial Artery Embolus and Thrombosis. *Radiology* 1990;175:393-399.
5. Zemel G, Katzen BT, Dake MD, Benenati JF, Lempert TE, Moskowitz L: Directional Atherectomy in the Treatment of Stenotic Dialysis Access Fistulas. *JVIR* 1990; 1:35-38.
6. Becker GJ, Benenati JF, Zemel G, Saltee DS, Suarez CA, Roeren TK, Katzen BT: Case Report: Percutaneous Placement of a Balloon-Expandable Intraluminal Graft for Prevention and Management of Life-Threatening Subclavian Arterial Hemorrhage. *JVIR* 1991; 2:225-229.
7. Zemel G, Benenati JF, Becker GJ, Katzen BT, Saltee DS: Compact Contrast Material Bolus with New 5F Angiographic Catheter. *JVIR* 1991;2:279-280.
8. Savader SJ, Venbrux AC, Benenati JF, et al.: Choledochal Cysts: Role of Noninvasive Imaging, Percutaneous Transhepatic Cholangiography, and Percutaneous Biliary Drainage in Diagnosis and Treatment. *JVIR* 1991;2(3):379-386.
9. Savader SJ, Benenati JF, Venbrux AC, et al.: Choledochal Cysts: Classification and Cholangiographic Appearance. *AJR* 1991;156:327-331.
10. Soulen MC, Benenati JF, Sheth S, Merton D, Rothgeb J. Changes in Renal Artery Doppler Indices Following Renal Angioplasty. *JVIR* 1991;2(4):457-460.
11. Zemel G, Becker GJ, Benenati JF, Katzen BT, Saltee DS: Transjugular Intrahepatic Portosystemic Shunts. *JAMA* 1991;266:390-393.
12. Bancroft J, Benenati JF, Becker GJ, Katzen BT. Neutralized Lidocaine: Use in Pain Reduction in Local Anesthesia. *JVIR* 1992;3:107-109.
13. LeBlang SD, Becker GJ, Benenati JF, Zemel G, Katzen BT, Saltee DS. Low-Dose Urokinase Regimen for Lower Extremity Arterial and Graft Occlusions: Efficacy, Safety, and Limb Salvage. *JVIR* 1992;3:475-483.
14. Zemel G, Becker GJ, Bancroft J, Benenati JF, Katzen BT. Technical Advances in Transjugular Intrahepatic Portosystemic Shunts. *RadioGraphics* 1992; 12:615-622.
15. Pattynama PMT, Becker GJ, Brown JM, Zemel G, Benenati JF, Katzen BT. Percutaneous angioplasty for atherosclerotic renal artery disease: effect on renal function in azotemic patients. *Cardiovasc Intervent Radiol* 1994;17:143-146

17. Martin EC, Katzen B, Benenati JF, Diethrich E, Dorros G, Graor R, Horton KM, Iannone LA, Isner JM, Ramee S, Schwarten DE, Tegtmeier CJ, Walker CM & Wholey MH. Multicenter Trial of the Wallstent in the Iliac and Femoral Arteries. *JVIR* 1995;6:843-849.
18. Katzen BT, Becker GJ, Mascioli, Benenati JF, Zemel G, Roll-Mazzei ER, Alvarez J, Puente OA and Kanter SR. Creation of a Modified Angiography (Endovascular) Suite For Transluminal Endograft Placement and Combined Interventional-Surgical Procedures. *JVIR* 1996;7:161-167
19. Martin EC, Katzen BT, Benenati JF, Diethrich EB, Dorros G, Graor RA, Horton KM, Liberato IA, Isner JM, Ramee SR, Schwarten DE, Tegtmeier CJ, Walker CM & Wholey MH. Multicenter Trial of the Wallstent in the Iliac and Femoral Arteries. *JVIR* 1996;6:843
20. Simon C, Alvarez Jr.J, Becker GJ, Katzen BT, Benenati JF, Zemel G. May-Thurner syndrome in an adolescent: Persistence despite operative management. *JVS* 1999; 30:950-953
21. Davidian M, Powell A, Benenati JF, Katzen BT, Becker GJ, Zemel G. Initial Results of Reteplase in the Treatment of Acute Lower Extremity Arterial Occlusions. *J Vasc intervent Radiolo* 2000; 11(3):289-94
22. Fox L, Benenati JF, et.al., Carotid Artery Stenting. *NEJM*.
23. Ouriel K, Katzen BT, Mewissen PF, Flick P, Clair DG, Benenati JF, McNamara TO, Gibbens D. Reteplase in the Treatment of Peripheral Arterial and Venous Occlusions: A Pilot Study. *J Vasc Intervent Radiolo* 2000; 11(7):849-54

#### Abstracts:

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2. Benenati JF, Becker GJ, Mail JT, and Holden RW. Digital subtraction venography in the evaluation of superior vena cava and subclavian vein obstruction. Proceedings of the Eighty-Sixth Annual Meeting of the American Roentgen Ray Society, Washington, DC, April 14-18, 1986. p.287 (scientific exhibit abstract).
3. Benenati JF, Becker GJ, Mail JT, Jackson VP, Wass JL, Kopecky KK, Bendick PJ. Diagnosis and management of peripheral arterial bypass graft complications. Proceedings of the Seventy-second Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois. November 30-December 5, 1986. *Radiology* 1986;161(P):400. (Scientific exhibit abstract).
4. Richter GM, Noeldge G, Palmaz JC, Katzen BT, Becker GJ, Benenati JF, Zemel G, Roessle M. Initial Long-Term Results After Transjugular Intrahepatic Portosystemic Stent Placement. *JVIR* 1991;2:13.
5. Zemel G, Katzen BT, Benenati JF, Becker GJ. Early Experience with Transjugular Intrahepatic Portosystemic Shunts. *JVIR* 1991;2:14.
6. Sallee DS, LeBlang S, Becker GJ, Benenati JF, Zemel G, Katzen BT. Low-Dose for Lower Extremity Arterial and Graft Occlusions: Experience in 180 Cases. *JVIR* 1991;2:28.



7. Becker GJ, Ehrman KO, Harman JT, Durham JS, Lempert T, Zemel G, Benenati JF, Sallee DS, Katzen BT. Intravascular Ultrasound of the Renal Artery. *JVIR* 1991;2:53.
8. Benenati JF, Katzen BT, Becker GJ, Zemel G, Sallee DS. Clinical Utility of Intravascular US in Conjunction with Atherectomy Procedures. *JVIR* 1991;2:54.
9. Benenati JF, Becker GJ, Katzen BT, Zemel G. Chronic Iliac Artery Occlusions: Treatment with Percutaneous Endoluminal Stents. *Radiology* 1991;181(P):162.
10. Katzen BT, Benenati JF, Becker GJ, Zemel G. Role of Intravascular Ultrasound in Peripheral Atherectomy and Stent Deployment. *Radiology* 1991;181(P):170.
11. Sallee DS, LeBlang S, Becker GJ, Benenati JF, Zemel G, Katzen BT. Low-Dose Arterial Urokinase for Lower Extremity Limb Salvage: Experience in 132 Cases. *Radiology* 1991;181(P):220.
12. Bancroft JW III, Becker GJ, Katzen BT, Zemel G, Benenati JF, Sallee DS. Percutaneous Transjugular Portosystemic Shunt. *Radiology* 1991;181(P):338.
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14. Becker GJ, Sallee DS, LeBlang S, Benenati JF, Zemel G, Katzen BT. Low-Dose Arterial Urokinase (UK) for Lower Extremity Limb Salvage: Experience in 132 Cases. *Circulation* 1991;84(4)[Suppl]:II-155.
15. Dake MD, Zemel G, Wexler L, Katzen BT, Wittich GR, Benenati JF, Becker GJ. The Use of Vascular Stents for the Management of Malignant Superior Vena Cava Syndrome. *Circulation* 1991;84(4)[Suppl]:II-421.
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17. Katzen BT, Benenati JF, Becker GJ, Zemel G. Role of Intravascular Ultrasound in Peripheral Atherectomy and Stent Deployment. *Circulation* 1991;84(4)[Suppl]:II-542.
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25. Benenati JF, Becker GJ, Zemel G, Katzen BT, Brown JA, Semba CP, et al. Initial Results with the Pullback Atherectomy Catheter. *Radiology* 1992;185(P):278.
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27. Keady JL, Brown JA, Becker GJ, Benenati JF, Zemel G, Katzen BT. Two-year Follow-up after Urokinase for Lower-Extremity Arterial and Graft Occlusions. *Radiology* 1992;185(P):179.
28. Semba CP, Benenati JF, Zemel G, Becker GJ, Bounds D, Katzen BT, et al. Treatment of Iliac and Femoral Arteries with the Endovascular Wallstent. *Radiology* 1992;185(P):259.
29. Zemel G, Brown JA, Benenati JF, Katzen BT, Semba CP, Julien WH. TIPS: Long-Term Follow-Up. *JVIR* 1993;4(1):44.
30. Becker GJ, Pattynama PM, Brown JA, Zemel G, Benenati JF, Katzen BT. Percutaneous Renal Angioplasty: Effect on Renal Function in Azotemic Patients. *JVIR* 1993;4(1):48.
31. Keedy JL, Brown JA, Becker GJ, Benenati JF, Zemel G, Katzen BT. Two-Year Follow-Up After Urokinase for Lower Extremity Arterial and Graft Occlusions. *JVIR* 1993;4(1):65.
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34. Benenati JF, Semba CP, Katzen BT, Becker GJ, Zemel G, Bounds D Jr. Chronic Iliac Artery Occlusions: Treatment with Percutaneous Endoluminal Stents. *Circulation* 1993;88(4):I-393.
35. Flynn RP, Becker GJ, Katzen BT, Benenati JF, Zemel G, Bounds D Jr. Directional Atherectomy in Lower Extremity Arteries: Long-Term Follow-up. *Circulation* 1993;88(4):I-393.
36. Becker GJ, Katzen BT, Benenati JF, Zemel G, Bounds D Jr., Flynn RP. Directional Atherectomy in Lower Extremity Arteries: Long-Term Follow-up. *Radiology* 1993;189(P):293.
37. Zemel G, Katzen BT, Grubbs GE, Moore BS, Benenati JF, Becker GJ. Sonographic Indicators of Unsuccessful Transjugular Intrahepatic Portosystemic Shunts. *Radiology* 1994; 193(P):167.
38. Benenati JF, Becker GJ, Zemel G, Katzen BT, Puente OA, Alvarez J Jr. Initial Clinical Experience with Endoluminal Vascular Grafting. *Radiology* 1994;193(P):271.
39. Katzen BT, Becker GJ, Benenati JF, Zemel G, Mascioli CA, Mazzei ER. Initial Experience when Performing Combined Surgical and Interventional Procedures in the Interventional Suite. *Radiology* 1994;193(P):271.

40. Soulen MC, Baum RA, Benenati JF, Braverman SE, Cope C, Eschelman DJ, et al. RSNA '94 Meeting Notes. *Radiology* 1995;194(3):943-950.
41. Becker GJ, Benenati JF, Zemel G, Katzen BT, Puente OA, Alvarez J Jr. Initial Clinical Experience with Endoluminal Vascular Grafting. *Circulation* 1994;90(4, Part 2) I-206.
42. Katzen BT, Becker GJ, Benenati JF, Zemel G, Mascioli CA, Mazzei ER. Initial Experience when Performing Combined Surgical and Interventional Procedures in the Interventional Suite. *Circulation* 1994;90(4, Part 2) I-206.
43. Katzen BT, Becker GJ, Benenati JF, Zemel G, Puente OA, Alvarez J Jr, et al. Initial Experience when Performing Combined Surgical and Interventional Procedures in the Interventional Suite. *JVIR* 1995;6(1):19.
44. Becker GJ, Benenati JF, Zemel G, Katzen BT, Puente OA, Alvarez J Jr. Initial Clinical Experience with Endoluminal Vascular Grafting. *JVIR* 1995;6(1):20.
45. Katzen BT, Becker GJ, Benenati JF, Zemel G, Puente OA. Endovascular Technologies Endograft: Initial Results of a Multicenter Randomized Trial for Treatment of Abdominal Aortic Aneurysm. *JVIR* 1995;6(1):21.
46. Zemel G, Becker GJ, Benenati JF, Katzen BT. Four-Year Study of TIPS. *JVIR* 1995;6(1):24.
47. Katzen BT, Becker GJ, Mascioli CA, Benenati JF, Zemel G, Mazzei E, Alvarez J, Puente O, Kanter S. Endovascular therapy of thoracic and abdominal aortic aneurysms. *Cardiovasc Intervent Radiol* 1996;19(Suppl 2): S56
48. Katzen BT, Becker, GJ, Mascioli C, Benenati JF, Zemel G, Roll-Mazzei ER, Alvarez J, Puente O, Kanter SR. Creation of a Modified Angiography (Endovascular) Suite for Transluminal Endograft Placement and Combined Interventional-Surgical Procedures. *JVIR* 1996; 7:161-167
49. Becker GJ, Katzen BT, Benenati JF, Zemel G, Alvarez J, Puente O, Kanter S, Goodwin L, Mascioli C. MCVI Experience with Endografts. *CardioVascular and Interventional Radiology* 1996;19(1) pg.S70
50. Katzen BT, Becker GJ, Mascioli CA, Benenati JF, Zemel G, Mazzei E, Alvarez J, Puente O, Kanter S. Initial experience performing combined surgical/interventional procedures in the interventional suite. *Cardiovasc Intervent Radiol* 1996;19(Suppl 2):S58.
51. Becker GJ, Katzen BT, Benenati JF, Zemel G, Goodwin LB, Roizental M. Experience with transluminal endografting of abdominal aortic aneurysm in 23 patients: results and long-term follow-up. *JVIR* 1997; (S):190
52. Benenati JF. Risk assessment and physical examination in vascular disease. *JVIR* 1997; (CC): 241
53. Benenati JF, Becker GJ, Katzen BT, Benenati JF, Zemel G, Goodwin LB, Lazinger M. Transluminal endografting of nonaortic aneurysms, pseudoaneurysms, and arteriovenous fistulas. *JVIR* 1997;8 (1):191-192
54. Benenati JF, Becker GJ, Zemel G, Katzen BT, Goodwin LB, Samuels S. Catheter-directed fibrinolysis and intervention for iliofemoral deep venous thrombosis: technique and results. *JVIR* 1997;(S):185

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55. Zemel G, Katzen BT, Becker GJ, Benenati JF, Goodwin LB, Ryan JJ. Experience with transluminal endografting of thoracic aortic aneurysm in seven patients: results and long-term follow-up. *JVIR Suppl* 1997;8(1, Part 2):239
56. Benenati, JF, Carotid Angioplasty/Stenting and Stroke Management
57. Benenati, JF, Risk assessment and physical examination in vascular disease. *JVIR Suppl.* Feb. 1999;10(2, Part 2):311
58. Benenati, JF, Noninvasive laboratory diagnosis of peripheral vascular disease. *JVIR Suppl.* Feb. 1999;10(2, Part 2):381
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60. Hartnell GG, Orons PD, Watkinson AF, Grassi CJ, Benenati JF. Managing Complications of Central Venous Access ("How-to" Workshop). *Radiology* 1999;213(P):55
61. Bakal CW, Geller SC, Benenati JF. Stent-Grafts of the Aorta and Peripheral Vessels. *Radiology* 1999;213(P):58
62. Becker GJ, Kovacs M, Katzen BT, Benenati JF, Zemel G, Powell A, Baquero J, Gordon R, Greenberg B. Awareness, Diagnosis, and Management of Peripheral Arterial Disease and Deep Vein Thrombosis among Primary Care Physicians. *Circulation* 1999; Suppl I;100(18):I-673.
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65. Bakal CW, Geller SC, Benenati JF. Stent-Grafts of the Aorta and Peripheral Vessels. *Radiology* 217:59
66. Katzen BT, Becker GJ, Mathison MN, Benenati JF, Zemel G, Powell A. Percutaneous or Cut-down for Contra-lateral Femoral Artery Access in Endovascular Abdominal Aortic Aneurysm Repair: Comparison of Complications. *JVIR Supplement* 2001, 12: S37

#### Text Books

1. Katzen BT, Becker GJ, Benenati JF, Zemel G. The Radiologic Clinics of North America. Vascular Imaging. January 1995:33
2. Murphy TP, Benenati JF. Patient Care in Interventional Radiology. SCVIR Syllabus:1999

3. Davidian MM, Benenati JF. Stent-Grafts: Current Clinical Practice. Thieme, New York 2000;5:55-68.

#### Book Chapters:

1. Katzen BT, Zemel G, Becker, GJ, Benenati JF. Shunt Prossistemico Intra-Hepatico Transjugular (TIPS): Experiencia do Instituto Vasacular de Miami. In: Castro L, Savassi-Rocha PR, and Renan Cunha-Melo J (eds). Topicos em Gastroenterologia 5, MEDSI Editora Medica e Cientifica Ltda., Rio de Janeiro, 1994: 449-456.
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5. Benenati JF. Endovascular Suite for Endograft Placement and Other Combined Interventional-Surgical Procedures. Vascular Intervention A Clinical Approach, 1998 Thieme, New York.
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2. Benenati JF.  
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3. Ingham WK, Benenati JF, Becker GJ, Bloom R.  
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Indianapolis, Indiana  
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4. Mulry CC, Benenati JF, Schrodt JF.  
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5. Benenati JF, Widlus DM, Venbrux AC, Lynch-Hyhan A, Osterman FA, Taylor DR, Tewes PA,  
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6. Widlus DM, Venbrux AC, Mitchell SE, Lynch-Nyhan A, Benenati JF, Cassidy FP Jr.,  
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7. Mitchell SE, Venbrux AC, Benenati JF, Wildus DM, Osterman FA Jr.  
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8. Venbrux AC, Benenati JF, Mitchell SE, Lynch-Nyhan A, Osterman FA Jr.  
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10. Zemel G, Katzen BT, Benenati JF, Dake MD, Lempert TE  
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12. Becker GJ, Elson J, Ehrman KO, Wholey M, Benenati JF, Zemel G, Sallee DS, Katzen BT  
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13. Zemel G, Katzen BT, Benenati JF, Becker GJ  
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15. Sallee DS, LeBlang S, Becker GJ, Benenati JF, Zemel G, Katzen BT  
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16. Becker GJ, Ehrman KO, Harman JT, Durham JS, Lempert T, Zemel G, Benenati JF, Sallee DS, Katzen, BT  
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17. Benenati JF, Katzen BT, Becker GJ, Zemel G, Sallee DS  
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19. Benenati JF, Becker GJ, Katzen BT, Zemel G.  
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20. Katzen BT, Benenati JF, Becker GJ, Zemel G.  
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33. Keady JL, Brown JA, Becker GJ, Benenati JF, Zemel G, Katzen BT  
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41. Nineteenth Annual Meeting of the Society of CardioVascular and Interventional Radiology  
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42. Becker GJ, Benenati JF, Zemel G, Katzen BT, Puente OA, Alvarez J Jr.  
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43. Katzen BT, Becker GJ, Benenati JF, Zemel G, Mascioli CA, Mazzei E.  
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Initial Experience Performing Combined Surgical/Interventional Procedures in the Interventional Suite.  
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48. Becker GJ, Katzen BT, Benenati JF, Zemel G, Alvarez J Jr., Puente OA, Kanter SR, Goodwin L, Mascioli CA  
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61. Benenati, JF  
The Essentials of a Vascular History and Physical  
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March 2-7, 1996
62. Becker GJ, Katzen BT, Benenati JF, Zemel G, Puente OA, Alvarez J Jr, Kanter S, Mascioli CA, Mazzei L  
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65. Becker G, Katzen B, Benenati J, Zemel G, Alvarez J Jr, Puente O, Kanter S, Goodwin L, Mascioli C  
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66. Becker G, Katzen B, Benenati J, Zemel G, Alvarez J Jr, Puente O, Kanter S, Goodwin L, Mascioli C  
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67. Becker GJ, Katzen BT, Benenati JF, Zemel GZ, Puente OA, Alvarez J Jr, Kanter S, Reiss I, Mascioli CA, Mazzei L.  
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79. Benenati JF  
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81. Benenati JF, Zemel G, Katzen BT.  
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A Preliminary Study  
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84. Becker GJ, Kovacs M, Katzen BT, Benenati JF, Zemel G, Powell A, Mourant L, Lima M, Gordon  
R, Baquero JM  
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85. Spies JB, Benenati JF, Worthington-Kirsch  
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90. Benenati, JF  
Infrainguinal Interventions: What Can we do and What Should we Do  
SCVIR 26<sup>th</sup> Annual Scientific Meeting  
San Antonio, Texas  
March 3-8, 2001

**Invited Lectures and Presentations:**

1. Benenati JF.  
Teachers as Role Models: The Impact on the Learning Experience  
Indiana University Fall Faculty Conference  
October 16-17, 1986.
  
2. Benenati JF, Becker GJ, Mail JT, Holden RW.  
Digital Subtraction Venography in the Evaluation of Superior Vena Cava and Subclavian Vein  
Obstruction.  
John Campbell Lecture Series  
Indiana University School of Medicine, Indianapolis, Indiana  
April 4, 1987.

3. Ingham WK, Benenati JF, Becker GJ, Bloom R.  
Upper Extremity Percutaneous Transluminal Venous Angioplasty in Patients with Dialysis  
Fistulas.  
John Campbell Lecture Series  
Indiana University School of Medicine, Indianapolis, Indiana  
April 9, 1988.
4. Benenati JF.  
Percutaneous Interventional Techniques in Failing Dialysis Fistulas.  
Department of Medicine Grand Rounds  
Indiana University Medical Center, Indianapolis, Indiana  
June 13, 1988.
5. Benenati JF.  
Radiology of Arteritis  
Grand Rounds  
The Johns Hopkins Hospital, Baltimore, Maryland  
September 12, 1988.
6. Benenati JF.  
Recent Advances in Peripheral Vascular Intervention  
Miami Cardiac & Vascular Institute  
Baptist Hospital of Miami  
April 23, 1990.
7. Benenati JF.  
Mesenteric Vascular Insufficiency: A Real Belly Ache  
Baptist Hospital of Miami - The Gut Club  
Baptist Hospital of Miami, Miami, Florida  
June 19, 1990.
8. Benenati, JF.  
Radiologic Intervention.  
Clinical Pathology Conference  
Baptist Hospital of Miami, Miami, Florida  
July 11, 1990.
9. Benenati, JF.  
New Devices in Vascular Intervention.  
Birmingham Angio Club  
The Sheraton Perimeter Park, Birmingham, Alabama  
September 17, 1990.
10. Benenati, JF.  
G.I. bleeding: Diagnostic and Treatment Considerations.  
Baptist Hospital of Miami - The Gut Club  
Baptist Hospital of Miami, Miami, Florida  
October 16, 1990.

11. Benenati, JF.  
Pulmonary Angiography and Non-Invasive Assessment of DVT  
Miami Cardiac & Vascular Institute Presents: Current Concepts in Diagnosis, Management and Prevention of Pulmonary Emboli  
Baptist Hospital of Miami, Miami, Florida  
October 23, 1990.
12. Benenati JF.  
New Devices in Treatment of Peripheral Vascular Disease  
The South Florida Non Invasive Vascular Society  
Miami Cardiac & Vascular Institute  
Baptist Hospital of Miami  
November 3, 1990.
13. Benenati JF.  
Management and Prevention of Pulmonary Emboli  
Golden Glades Regional Medical Center  
November 13, 1990.
14. Becker GJ, Elson J, Eherman KO, Wholey M, Benenati JF, Zemel G, Sallee DS, Katzen BT.  
Venous Stent Applications  
Intravascular Stent Symposium  
San Antonio, Texas  
January 11, 1991.
15. Benenati JF.  
The Non-Invasive Vascular Lab: Role in Interventional Therapy of Peripheral Arterial Disease  
Third International Symposium on Peripheral Vascular Intervention  
Miami Beach, Florida  
January 21, 1991.
16. Becker GJ, Elson J, Eherman KO, Wholey M, Benenati JF, Zemel G, Sallee DS, Katzen BT.  
Venous Stent Applications  
Third Annual Symposium on Peripheral Vascular Intervention  
Miami Beach, Florida  
January 24, 1991.
17. Benenati JF.  
Overview of Intravascular Ultrasound  
Clinical Support Specialist Training Program  
Baptist Hospital of Miami  
Miami, Florida  
February 4, 1991.
18. Benenati JF.  
New Interventional Techniques in the Diagnosis and Management of Vascular Disease.  
First Annual Joint Meeting of the Association of Vascular and Interventional Radiographers (AVIR) and the American Radiological Nurses Association (ARNA)  
San Francisco, California  
February 21, 1991.

19. Benenati JF.  
Renovascular Hypertension  
Angiographic Diagnosis  
Miami Cardiac & Vascular Institute  
February 26, 1991.
20. Benenati JF.  
Palmaz Stent Certification Course  
Holy Cross Hospital  
Ft. Lauderdale, Florida  
April 10, 1991.
21. Benenati JF.  
Interventional Radiology in the 90's  
Tibial PTA  
Miami Cardiac & Vascular Institute  
Key West, Florida  
April 19, 1991.
22. Benenati JF, Katzen BT, McLean G.  
Interventional Radiology in the 90's  
Technical Aspects of Stent Placement  
Miami Cardiac & Vascular Institute  
Key West, Florida  
April 19, 1991.
23. Benenati JF.  
Interventional Radiology in the 90's  
Percutaneous Gastrostomy  
Key West, Florida  
April 20, 1991.
24. Benenati JF.  
Symposium on Peripheral Vascular Disease  
The Diagnosis of Peripheral Vascular Disease  
St. Paul Medical Center  
Dallas, Texas  
May 18, 1991.
25. Benenati JF.  
Symposium on Peripheral Vascular Disease  
Visceral Angiography and Intervention  
St. Paul Medical Center  
Dallas, Texas  
May 18, 1991.
26. Benenati JF.  
Diabetes Care Center  
Vascular Intervention for the Diabetic Patient  
Baptist Hospital of Miami  
Miami, Florida  
June 12, 1991.

27. Benenati JF.  
Chesapeake Interventional Radiology Society  
Portosystemic Shunts  
The Alexandria Hospital  
Alexandria, Virginia  
September 25, 1991.
28. Benenati JF.  
Cardiology Conference  
Update on Pulmonary Embolism  
Baptist Hospital of Miami  
Miami, Florida  
January 30, 1992.
29. Benenati JF.  
Fourth International Symposium on Vascular Diagnosis and Intervention  
The Non-invasive Vascular Lab  
Treatment of Total Iliac Artery Occlusions with Stents  
Clinical Utility of Intravascular Ultrasound  
February 3-6, 1992.
30. Benenati JF.  
Society of CardioVascular & Interventional Radiology Annual Meeting  
Techniques for Optimizing Interventions: IVUS, Angioscopy and Other Methods  
Washington, DC  
April 9, 1992.
31. Benenati JF.  
Interventional Radiology in the 90's  
The Non-Invasive Vascular Lab  
Miami Cardiac & Vascular Institute  
Key West, Florida  
May 2, 1992.
32. Benenati JF.  
Fifth Annual International Symposium of Vascular Diagnosis & Intervention  
Infrainguinal Stents: Initial Results  
Iliac Artery Occlusions: Techniques and Results  
Miami Cardiac & Vascular Institute  
January 25-28, 1993.
33. Benenati JF.  
MidAmerica International Radiological  
Third Spring Interventional Radiology Meeting and Seminar  
Treatment of Vascular Occlusion with Endovascular Stents  
New Devices in Interventional Radiology / Small Vessel Angioplasty  
Tulsa, Oklahoma  
April 16-17, 1993.

34. Benenati JF.  
Interventional Radiology in the 90's  
Stents for Iliac Artery Occlusion  
Intravascular Ultrasound  
Miami Cardiac & Vascular Institute  
April 29-May 1, 1993.
35. Benenati JF.  
First International Symposium: Contemporary Approaches to  
Intervention in Cardiac and Vascular Disease  
Clinical Assessment of Peripheral Vascular Disease  
Basic Principles of Fibrinolytic Therapy  
Stents for Iliac Artery Occlusion  
Miami Cardiac & Vascular Institute  
Coral Gables, Florida  
June 9-12, 1993.
36. Benenati, JF  
18th International Congress of Radiology  
Investigating Vascular Disease-Intravascular Ultrasound  
Angioplasty I-Below the Knee  
Current Status of Devices in Vascular Disease-Atherectomy  
Thrombolytic Therapy in Limb Salvage  
Singapore  
January 23-28, 1994
37. Benenati, JF  
Frontiers in the Treatment of Vascular Disease  
Indiana University School of Medicine  
The Westin Hotel-Indianapolis  
Indianapolis, Indiana  
May 7, 1994
38. Benenati, JF  
Annual Spring Meeting 1994  
Florida Radiological Society  
TIPS: Review of over 100 Cases  
New Devices for Peripheral Vascular Disease  
Pier House Resort and Caribbean Spa  
Key West, Florida  
May 13-15, 1994
39. Benenati, JF  
Activity Director  
Vascular Technology Update  
Miami Cardiac & Vascular Institute  
May 21, 1994

40. Benenati, JF  
Cardiology Conference  
New Modalities of Treatment for Aortic Aneurysms  
Baptist Hospital of Miami  
Miami, Florida  
June 9, 1994
41. Benenati, JF  
Third International Congress of Angioradiology  
and Vascular Intervention  
Overview of Intravascular Stents and Treatment of Iliac Artery Occlusions  
Doral Ocean Beach Resort  
Miami Beach, Florida  
September 11-15, 1994
42. Benenati, JF  
Venous Registry  
Stanford University Medical Center  
Interventional Approaches: Miami Cardiac & Vascular Institute  
Pebble Beach, California  
October 31, 1994
43. Benenati, JF  
The 1994 Symposium on Current Issues & New Techniques  
in interventional Radiology  
Primary Stenting of Complex Aortoiliac Occlusive Disease  
New York City, New York  
November 17, 1994
44. Benenati, JF  
New Technologies for Non-invasive Evaluation of PVD  
Seventh Annual International Symposium on Vascular Diagnosis and Intervention  
Miami Beach, Florida  
January 21-25, 1995
45. Benenati, JF  
Endoluminal Grafts: MCVI Experience  
Seventh Annual International Symposium on Vascular Diagnosis and Intervention  
Miami Beach, Florida  
January 21-26, 1995
46. Benenati, JF  
The Primary Focus Lecture Series  
Screening, Evaluation, & Treatment of Peripheral Vascular Disease  
Miami Cardiac & Vascular Institute  
Miami, Florida  
March 15, 1995

47. Benenati, JF  
Thrombolysis Forum  
Annual AVIR Meeting  
Fort Lauderdale, Florida  
March 26, 1995
48. Benenati, JF  
Angioplasty Below the Knee  
Interventional Radiology in the '90s  
Key West, Florida  
April 26-29, 1995
49. Benenati, JF  
Intravascular Ultrasound: Is it as good as we thought?  
Chesapeake Interventional Radiology Society  
Bethesda, Maryland  
May 17, 1995
49. Benenati, JF  
Miami Cardiac & Vascular Institute Third Annual Inter-American Symposium:  
Contemporary Approaches to Intervention in Cardiac and Vascular Diseases and Treatment of  
Iliac Occlusions, Techniques and Application of Peripheral Thrombolysis and The Role of  
Intervention in Limb Salvage.  
Key Biscayne, Florida  
June 18-21, 1995
50. Benenati, JF  
Second Symposium Central American in Interventional Cardiology  
Intravascular Ultrasound, Stent Applications in Cardiac Illness  
Hotel Camino Real --Sponsored by Hospital Diagnostico  
San Salvador, El Salvador  
August 10-12, 1995
51. Benenati, JF  
Update on Non-invasive Vascular Testing  
Thoracic Outlet Syndrome  
South Miami Hospital  
Miami, Florida  
October 7, 1995
52. Benenati, JF  
SouthEastern Angiographic Society  
Vascular Interventions, Renal Revascularization and Stents, Infrainguinal Stents &  
Small Vessel Intervention and Angioplasty  
The Cloister Hotel  
SeaIsland, Georgia  
October 12-14, 1995



53. Benenati, JF  
Venous Registry Meeting  
Workshop: Thrombolytic Synergy Catheter directed DVT and Pedal Infusion  
Techniques  
Eden Roc Resort & Spa  
Miami Beach, Florida  
January 27-28, 1996
54. Benenati, JF  
Eighth Annual International Symposium on Vascular Diagnosis and Intervention  
Moderator: Vascular Imaging  
Intravascular Ultrasound  
Fontainebleau Hilton Resort  
Miami Beach, Florida  
January 28-February 1, 1996
55. Benenati, JF  
Association of Vascular and Interventional Radiographers  
Invited Lecturer: Peripheral Thrombolysis  
Washington State Convention Center  
Seattle, Washington  
March 3, 1996
56. Benenati, JF  
Interventional Radiology in the 90's  
Course Director, Peripheral Vascular Intervention  
Complex Aortoiliac Lesions: Percutaneous Strategy, Catheter Directed Thrombolytic  
Therapy: Techniques & Results  
Cancun, Mexico  
April 10-14, 1996
57. Benenati, JF  
First Dominican Congress on CardioVascular Intervention  
Invited Lecturer: Restenosis, Treatment, Management of Peripheral & Coronary  
Diseases, New Techniques for Repair of Endovascular Aortic Aneurysms and  
Endovascular Reconstruction with Stents for Carotid Arterial Disease  
Santo Domingo, Dominican Republic  
May 3, 1996
58. Benenati, JF  
Fourth Annual Inter-American Symposium on CardioVascular Disease  
Moderator-Symposium on Restenosis  
Sonesta Beach Resort  
Key Biscayne, FL  
June 5-8, 1996
59. Benenati, JF  
CardioVascular Conference  
Invited Lecturer: Clinical Assessment of Peripheral Vascular Disease  
Baptist Hospital of Miami  
Miami, FL  
June 13, 1996

60. Benenati, JF  
Angio Club Meeting  
Invited Lecturer: Peripheral Vascular Interventions  
Tampa General Hospital  
Tampa Bay, FL  
September 18, 1996
61. Benenati, JF  
Frontiers in Vascular Disease 96  
Invited Lecturer: "IVUS, When is its Value Added & When is it Not?"  
Endovascular Management of Peripheral Vascular Aneurysms Arteriovenous Fistulas with Stent-Grafts."  
The Intergrated Vascular Center: The Miami Cardiac & Vascular Experience.  
Pebble Beach, CA  
October 13-16, 1996
62. Benenati, JF  
Second Mid-Atlantic Conference on Hemodialysis Access: Establishment and Maintenance of Dialysis and Venous Access  
Invited Lecturer: Thrombolytic Therapy for the Treatment of Catheter Related Venous Thrombosis  
Williamsburg, VA  
October 25-26, 1996
63. Benenati, JF  
Second Mid-Atlantic Conference on Angio Access: Establishment and Maintenance of Dialysis and Venous Access  
Invited Lecturer: Thrombolytic Therapy for the Treatment of Catheter Related Venous Thrombosis  
Williamsburg, VA  
October 25-26, 1996
64. Benenati, JF  
I Congreso de Cardiologia Intercontinental  
XIX Congreso Centroamericano de Cardiologia  
VI Congreso Nacional de Cardiologia  
Invited Professor & Faculty Member  
New Techniques for the Endovascular Repair of Aortic Aneurysms: Stent Grafts. The Miami Cardiac & Vascular Institute Experience.  
Panama City, Central America  
November 14-16, 1996
65. Benenati, JF  
Ninth Annual International Symposium on the Diagnosis and Intervention in Peripheral Vascular Disease  
Fontainebleau Hilton Resort  
Miami Beach, Florida  
January 26-29, 1997

66. Benenati, JF  
Noninvasive Symposium on Vascular Diagnosis in conjunction with the Ninth Annual  
International Symposium on the Diagnosis and Intervention in Peripheral Vascular Disease  
Miami Cardiac & Vascular Institute  
Miami Beach, Florida,  
January 26, 1997.
67. Benenati, JF  
Venous and Hemodialysis Access Symposium  
Catheter-Directed Thrombolysis of Central Venous  
Keystone, Colorado  
February 19 - 23, 1997
68. Benenati, JF  
First Aegean Symposium in Interventional Medicine  
Faculty Member  
Clinical Assessment of Patients with Peripheral Vascular Disease: Treatment of  
Complex Patients with Peripheral Vascular Disease: "SFA Tibial Angioplasty".  
Percutaneous Treatment of SFA Bypass.  
Athens, Greece  
September 6 - 14, 1997
69. Benenati, JF  
Interventional Radiology and Vascular Imaging 1997  
Invited Lecturer: Multispecialty Affiliation: The MCVI Model.  
Philadelphia  
October 5 - 8, 1997
70. Benenati, JF  
Interventional Radiology and Vascular Imaging 1997  
Invited Lecturer: "Stents for Carotid Disease".  
Philadelphia  
October 5 - 8, 1997
71. Benenati, JF  
Interventional Radiology and Vascular Imaging 1997  
Invited Lecturer: "Stent-Grafts for Aneurysmal Disease".  
Philadelphia  
October 5 - 8, 1997
72. Benenati, JF  
Interventional Radiology and Vascular Imaging 1997  
Invited Lecturer: "Stents and Stent-Grafts for Infrainguinal Disease"  
Philadelphia  
October 5 - 8, 1997
73. Benenati, JF  
Southeastern Angiographic Society, Annual Meeting.  
Invited Lecturer: Covered Stents for Pseudoaneurysms and Arteriovenous Fistulas:  
Strategies and Device Considerations.  
Williamsburg Virginia  
October 8 - 12, 1997

74. Benenati, JF  
Southeastern Angiographic Society, Annual Meeting  
Invited Lecturer: Catheter Directed Thrombolysis of Deep Venous Thrombosis:  
Patient Selection and Technical Considerations.  
Williamsburg Virginia  
October 8 - 12, 1997
75. Benenati, JF  
Florida West Coast Radiology Society, University of Florida  
Invited Lecturer: Venous Thrombolysis Techniques and Results  
Tampa, Florida  
November 13 - 14, 1997
76. Benenati, JF  
Tenth Annual International Symposium on Vascular Diagnosis and Intervention  
Director - Invited Lecturer: "Infrainguinal Intervention"  
Fontainebleau Hilton Resort & Towers  
Miami Beach, Florida  
January 11 - 15, 1998
77. Benenati, JF  
Twenty third Annual Meeting, Society of Cardiovascular & Interventional Radiology  
Results of Clinical Trials for Endovascular Grafting of Abdominal Aortic Aneurysms,  
Carotid Stenting and Stroke Management, Risk Assessment & Physical  
Examination in Vascular Disease, Stent-Grafts for Aortic Aneurysms.  
San Francisco, CA  
February 28 - March 5, 1998
78. Benenati, JF.  
Department of Medicine Grand Rounds  
Northwestern Memorial Hospital  
Chicago, Il.  
May 27 - 28, 1998
79. Benenati, JF  
Fifth International Workshop on Interventional Radiology  
Interventions in obstructions of abdominal aorta and it's branches, Basics of  
Angioplasty, Stents and Stentgrafts in Occlusive Vascular Disease  
Prague, Czech Republic  
June 25 - 27, 1998
80. Benenati, JF  
8<sup>th</sup> Annual Symposium of Peripheral Vascular Disease  
Physiologic Testing for Lower Extremity Arterial Insufficiency, Duplex Ultrasound  
Evaluation of Lower Extremity Arteries.  
Rhode Island  
August 14 - 16, 1998

81. Benenati, JF  
Catheter-Directed Thrombolysis for Acute Lower Extremity DVT,  
Upper Extremity Venous Thrombosis-Diagnosis and Treatment,  
University of Virginia School of Medicine  
Charlottesville, VA  
September 18 - 19, 1998
82. Benenati, JF  
Interventional Radiology & Vascular Imaging  
Abdominal Aortic Stent Grafts: The Miami Experience,  
Stent and Stent-Grafts for Iliofemoral Arterial Occlusive Diseases,  
Hepaticogastrostomy: Paving a New Road for Biliary Decompressions,——  
The Noninvasive Lab: Working Up Vascular Disease  
Puerto Rico  
November 4 - 7, 1998
83. Benenati, JF  
Current Issues and New Techniques in Interventional Radiology  
Risk Assessment and Physical Exam in Vascular Disease,  
Workshop - CO2 Angiography  
New York, New York  
November 18 - 20, 1998
84. Benenati, JF  
Radiological Society of North America, 84<sup>th</sup> Scientific Assembly & Mtg.  
Refresher Course  
Managing Complications of Central Venous Access ("How-to" Workshop)  
Chicago, Illinois  
November 29 - December 4, 1998
85. Benenati, JF  
Radiological Society of North America, 84<sup>th</sup> Scientific Assembly & Mtg.  
Refresher Course  
Vascular Stent-Current Concepts and Controversies  
Chicago, Illinois  
November 29 - December 4, 1998
86. Benenati, JF  
Eleventh Annual International Symposium on Endovascular Therapy  
Miami Cardiac & Vascular Institute  
Loews Miami Beach Hotel  
Miami Beach, Florida  
January 23 - 27, 1999
87. Benenati, JF  
Noninvasive Symposium on Vascular Diagnosis in conjunction with the Eleventh Annual  
International Symposium on Endovascular Therapy  
Miami Cardiac & Vascular Institute  
Miami Beach, Florida,  
January 23, 1999.

88. Benenati, JF  
Second Annual Interventional Radiology Practicum  
Venous Access Devices  
Dialysis Access Management  
Embolotherapy in OB/GYN Patients  
Endovascular Management of GI Bleeding/Ischemia  
Breckenridge, Colorado  
February 16 - 19, 1999
89. Benenati, JF  
Third Annual Venous and Hemodialysis Access Symposium  
Management of Catheter-Related Central Venous Thrombosis  
New Approaches to Outpatient Dialysis Intervention  
Keystone, Colorado  
February 16 - 20, 1999
90. Benenati, JF  
Cleveland Clinic Foundation  
Percutaneous Management of Complex Aorto Iliac Disease  
Arterial and Venous Entrapment Syndrome  
Cleveland, Ohio  
May 1 -3, 1999
91. Benenati, JF  
Cleveland Clinic Foundation  
Percutaneous Management of Complex Aorto Iliac Disease  
Arterial and Venous Entrapment Syndrome  
Cleveland, Ohio  
May 1 -3, 1999
92. Benenati, JF  
Florida West Coast Radiological  
Percutaneous Management of Complex Aorto Iliac Disease  
Arterial and Venous Entrapment Syndrome  
Tampa, Florida  
May 20 -21, 1999
93. Benenati, JF  
Extreme IR Interventional Course For the Interventional Adventurer  
Tibial Revascularization - Outrageous use of existing and new devices  
Percutaneous Hepaticogastrostomy  
New Agents for Thrombolysis and Maintenance of Vessel Patency  
Jackson Hole, Wyoming  
September 3 - 5, 1999
94. Benenati, JF  
Cardiovascular Conference, Baptist Hospital of Miami  
Clinical Assessment of Peripheral Cardiovascular Disease  
Miami, Florida  
September 23, 1999

95. Benenati, JF  
 Stanford Vascular Symposium  
 Alternative Pharmacologic Therapies in the Treatment of Peripheral Occlusive Disease:  
 Clinical Experience with Reteplase and Abciximab  
 Talent Endograft for AAA Repair  
 Carotid Stenting: An Interventional Radiologist's Perspective  
 Pebble Beach, California  
 October 28-31, 1999
  
96. Benenati, JF  
 Twelve Annual International Symposium on Endovascular Therapy  
 Miami Cardiac & Vascular Institute  
 Loews Miami Beach Hotel  
 Miami Beach, Florida  
 January 23 - 27, 2000
  
97. Benenati, JF  
 Noninvasive Symposium on Vascular Diagnosis in Conjunction with the Twelve Annual  
 International Symposium on Endovascular Therapy  
 Miami Cardiac & Vascular Institute  
 Loews Miami Beach Hotel  
 Miami Beach, Florida,  
 January 23, 2000
  
98. Benenati, JF  
 3rd Annual Endovascular Intervention Practicum  
 Venous Access Devices  
 Dialysis Access Management  
 Embolotherapy in OB/GYN Patients  
 Endovascular Management of GI Bleeding/Ischemia  
 Breckenridge, Colorado  
 February 9 - 12, 2000
  
99. Benenati, JF  
 Indications for Treatment of Carotid Arterial Disease - Medical Therapy vs. Endarterectomy  
 Baptist Health System of South Florida  
 Miami, FL 33176  
 May 18, 2000
  
99. Benenati, JF  
 "Ethics of Patient Management with the Uninsured, Under Insured and in the Managed Care  
 Environment  
 Introduction to the American Healthcare System (Medical Ethics Course)  
 University of Notre Dame  
 Notre Dame, Indiana  
 September 8, 2000

100. Benenati, JF  
 8<sup>th</sup> Annual Interventional Radiology & Vascular Imaging 2000  
 "Aortic Stent-Grafts: Pre-Operative Evaluation & Device Selection"  
 "Aortic Stent-Grafts: What's Coming: Status of On-Going Clinical Trials"  
 "Renovascular Intervention: Renal Stents: Who Needs One & How I Do It"  
 "Peripheral Vascular Intervention: Beyond PTA: Femoral Stents, Stent-Graft, Brachytherapy, and More"  
 "Peripheral Vascular Intervention: Catheter-Directed Lysis of Venous Thrombosis with Alteplase and Retavase"  
 University of Pennsylvania  
 October 4-7, 2000
  
101. Benenati, JF  
 SEAS Meeting  
 "Thrombectomy Devices – Indications, Uses and Results"  
 "Intravenous and Oral Antiplatelet Agents: Their Role and Uses in Peripheral Interventions"  
 "Arterial Closure Devices: Review and Practical Considerations"  
 White Sulphur Springs, West Virginia  
 October 18-21, 2000
  
102. Benenati, JF  
 International Women's Forum  
 "Uterine Fibroid Embolization"  
 University of Miami  
 Miami, Florida  
 October 27, 2000
  
103. Benenati, JF  
 Fifth International Symposium on Vascular and Interventional Radiology  
 "Stent-Grafts in Iliofemoral Occlusive Disease"  
 "Management of Endoleaks"  
 Harvard Medical School  
 Boston, Massachusetts  
 November 6-9, 2000
  
104. Benenati, JF  
 Symposium on Noninvasive Vascular Diagnosis & Controversies in Interventional Radiology  
 International Symposium on Endovascular Therapy  
 Miami Cardiac & Vascular Institute  
 Fontainebleau Hotel  
 Miami Beach, Florida,  
 January 21-25, 2001
  
105. Benenati, JF  
 4th Annual Endovascular Intervention Practicum  
 Venous Access Devices  
 Dialysis Access Management  
 Clinical Options in Peripheral Arterial Thrombolysis  
 Embolotherapy in Ob/Gyn Patients  
 Snowmass, Colorado  
 February 6-9, 2001



**Scientific Exhibits:**

1. Benenati JF, Becker GJ, Mail JT, Holden RW: Digital Subtraction Venography in the Evaluation of Superior Vena Cava and Subclavian Vein Obstruction. Eighty-Sixth Annual Meeting of the American Roentgen Ray Society, Washington, D.C., April 15, 1986.
2. Benenati JF, Becker GJ, Mail JT, Jackson VP, Kopecky KK, Wass JL, Hicks ME: Diagnosis and Management of Peripheral Arterial Bypass Graft Complications. Seventy-Second Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 30, 1986.
3. Benenati JF, Merine D, Venbrux AC, Lynch-Nyhan A, Mitchell SE, Wildus DM: Angiography of Arteriovenous Fistulae in the Portal Circulation. Seventy-Fifth Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 27, 1989.
4. Savader SJ, Benenati JF, Venbrux AC, Mitchell SE, Wildus D, Osterman Jr FA: Cholelithiasis: Imaging and Percutaneous Management. ARRS, Washington, D.C. 1990. Awarded Certificate of Merit.
5. Bancroft J, Zemel G, Becker GJ, Benenati JF, Katzen BT, Sallee DS: Transjugular Intrahepatic Portosystemic Shunts. Seventy-Seventh Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, December 1-6, 1991. Winner of the Summa Cum Laude Scientific Exhibit Award - the first awarded since 1984.
6. Bancroft J, Zemel G, Becker GJ, Benenati JF, Katzen BT, Sallee DS: Transjugular Intrahepatic Portosystemic Shunts. Ninety-Second Annual Meeting of the American Roentgen Ray Society, Orlando, Florida, May 11-15, 1992. Winner of the Bronze Medal Exhibit Award.
7. Keedy JL, Brown JA, Becker GJ, Benenati JF, Zemel G, Katzen BT. Two-Year Follow-up after Urokinase for Lower Extremity Arterial and Graft Occlusions. Sixty-Sixth Scientific Sessions of the American Heart Association, Atlanta, Georgia, 11/8-11/93.

**Postgraduate, CME Courses, and Visiting Faculty Positions:**

Faculty University of Miami School of Medicine  
 Training Program in Vascular Technology  
 Arteriography  
 August 13, 1990.  
 January, 14, 1991.  
 April, 15, 1991.  
 July 20, 1991.  
 October 19, 1991.

Faculty Annual International Symposium on Peripheral Vascular Intervention  
 Co-Program Director  
 Miami Cardiac & Vascular Institute  
 Miami Beach, Florida  
 January 21-24, 1991.  
 February 3-6, 1992.  
 January 25-28, 1993.

January 10-13, 1994.  
 January 21-25, 1995.  
 January 28-February 1, 1996  
 January 27 - 30, 1997  
 January 11 - 15, 1998  
 January 23 - 27, 1999  
 January 23 - 27, 2000  
 January 21-25, 2001

Faculty Interventional Radiology in the 90's  
 Miami Cardiac & Vascular Institute  
 Key West, Florida

April 17-20, 1991.

April 29-May 2, 1992.

April 28-May 2, 1993.

April 26-29, 1995 - Program Director.

April 10-14, 1996 - Program Director (Cancun, Mexico)

Faculty Society of CardioVascular & Interventional Radiology Annual Meeting

Workshop:

- Vascular Ultrasound: IVUS
- Vascular Ultrasound: Venous & Peripheral Arterial Imaging
- San Francisco, California

February 20, 1991.

Faculty Society of CardioVascular & Interventional Radiology Annual Meeting

Plenary Session: Techniques for Optimizing Interventions: IVUS,  
 Angioscopy and Other Methods

Workshop: Vascular Ultrasound: Upper & Lower Ext. Arterial

Controversy Session: Noninvasive Arterial Exam

Washington, DC

April 9, 1992.

Faculty Society of CardioVascular & Interventional Radiology Annual Meeting

Workshops:

- TIPS: Long-Term Follow-up
- Intravascular Ultrasound
- Vascular Stents

New Orleans, Louisiana

February 28-March 4, 1993.

Faculty American Heart Association  
 Scientific Sessions Moderator

Atlanta, Georgia

November 8-15, 1993

Dallas, Texas

November 12-19, 1994

**Faculty Society of CardioVascular & Interventional Radiology Annual Meeting**

**Workshops:**

- Vascular Recanalization - Workshop Coordinator
- Noninvasive Vascular Workshop

**Plenary Session:**

- Results & Follow-up of Angioplasty

San Diego, California

March 19-23, 1994

**Faculty Vascular Technology Update**

South Florida Non-Invasive Vascular Society

Miami Cardiac & Vascular Institute at Baptist Hospital

Miami, Florida

May 21, 1994

**Faculty Society of CardioVascular & Interventional Radiology Annual Meeting**

**Workshops:**

- Vascular Intervention - Workshop Coordinator
- TIPS: Four-Year Study

Ft. Lauderdale, Florida

March 25-30, 1995

**Faculty Update on Non-invasive Vascular Testing**

- Peripheral Vascular Laboratory/Echocardiography - Activity Director

South Miami Hospital, Miami Florida

October 7, 1995

**Faculty Society of CardioVascular & Interventional Radiology Annual Meeting**

**Workshops:**

- Vascular Intervention - Workshop Coordinator
- Venous Thrombolysis

Clinical Management Symposia: Coordinator

Seattle, Washington

March 2-7, 1996

**Faculty First Annual Noninvasive Symposium of the Miami Cardiac & Vascular Institute:**

Vascular Diagnosis

Program Director

Miami Beach, Florida

January 26, 1997

**Faculty I Congreso de Cardiología Intercontinental**

XIX Congreso Centramericano de Cardiología

VI Congreso Nacional de Cardiología

- Invited Professor

Symposium of the Miami Cardiac & Vascular Institute:

Endovascular Surgery

Miami Beach, Florida

January 27 - 30, 1997

**Faculty Society of CardioVascular & Interventional Radiology 22nd Annual Meeting**

Noninvasive Workshop: Coordinator

- Transluminal Endografting of Nonaortic Aneurysms, Pseudoaneurysms, and Arteriovenous Fistulas

Moderator:

- Stent Grafts for Abdominal Aortic Aneurysm

Refresher Course

- Clinical Assessment of Patients with Peripheral Vascular Disease

Washington, DC

March 8 - 13, 1997

**Faculty First Annual Interventional Radiology Practicum**

Beaver Creek, Colorado

April 2-5, 1997

**Faculty First Aegean Symposium in Interventional Medicine**

An Odyssey in Medicine: The Aegean Islands as a Laboratory

- Clinical Assessment of Patients with Peripheral Vascular Disease

- SFA Tibial Angioplasty

- Case Presentation: Acute Schema

Greek Island Yacht Cruise

Athens, Greece

September 6 - 14, 1997

**Faculty Second Noninvasive Symposium on Vascular Diagnosis**

Tenth Annual International Symposium on Vascular Diagnosis and Intervention

Program Director - Moderator Arterial Evaluation

Fontainebleau Hilton Resort & Towers

Miami Beach, Florida

January 11, 1998

**Faculty Twenty Third Annual Meeting of the Society of Cardiovascular & Interventional Radiology**

Non-Invasive Laboratory (Hands On) Workshop: Coordinator

- Financial Analysis Seminar

- Carotid Stenting and Stroke Management

- Aortoiliac Interventions

Plenary Session

- Risk Assessment and Physical Examination in Vascular Disease

- Results of Clinical Trials for Endovascular Grafting of Abd. Aortic Aneurysms.

- Stent-Grafts for Aortic Aneurysms

San Francisco, CA

February 28 - March 5, 1998

**Faculty Third Noninvasive Symposium on Vascular Diagnosis**

Eleventh Annual International Symposium on Endovascular Therapy

Program Director

Loews Miami Beach Hotel

Miami Beach, Florida

January 23, 1999

**Faculty Second Annual Interventional Radiology Practicum**  
 Breckenridge, Colorado  
 February 16 - 19, 1999

**Faculty Society of CardioVascular & Interventional Radiology Annual Meeting**  
 • Infrainguinal Intervention  
 • Noninvasive Laboratory Diagnosis of Peripheral Vascular Disease  
 • Noninvasive Laboratory Workshop  
 Orlando, Florida  
 March 20-25, 1999

**Faculty Cleveland Clinic Foundation**  
 Visiting Professor  
 Cleveland, Ohio  
 May 1 - 3, 1999

**Faculty University of South Florida College of Medicine**  
 Visiting Professor  
 Tampa, Florida  
 May 20 - 21, 1999

**Faculty Extreme IR Interventional Course For the Interventional Adventurer**  
 Co-Program Director  
 Jackson Hole, Wyoming  
 September 3 - 5, 1999

**Faculty Fourth Annual Endovascular Interventional Practicum**  
 Snowmass Village, Colorado  
 February 6-9, 2001

**Faculty Society of CardioVascular & Interventional Radiology Annual Meeting**  
 Infrainguinal Interventions: What Can We do and What Should We Do  
 Lessons Learned: Stent Grafts  
 Thrombolytics: Use of Thrombolytics in Interventional Procedures  
 Abdominal Aortic Aneurysm Repair in 144 Patients: Correlation of Aneurysm  
 Size and Procedure-Related Complications  
 San Antonio, Texas  
 March 3-8, 2001

**Editorial Activities:**

**Manuscript Reviewer**  
 Journal of Vascular and Interventional Radiology  
 November 1990~Present

**Abstract Reviewer of New England Journal of Medicine**  
 For the Journal of Vascular and Interventional Radiology  
 November 1990~1998

**Abstract Reviewer of Journal of Vascular Surgery**  
 For the Journal of Vascular and Interventional Radiology  
 March 1993~Present

Editorial Review Board  
 Abstracts in Radiology  
 AVMD Group  
 September 1991~1993

Editor  
 News from Miami Cardiac & Vascular Institute  
 Quarterly Newsletter  
 Baptist Hospital of Miami  
 Miami, Florida  
 January 1991~Present

Scientific Session Program Abstract Reviewer  
 American Heart Association  
 1992 ~Present

Scientific Session Program Abstract Reviewer  
 Society of CardioVascular and Interventional Radiology  
 1992, 1993, 1994, 1995

Editorial Board of SCVIR Case Club  
 Website Case Discussion, Expert Opinions.  
 August , 1997

Editorial Board of Techniques in Vascular and Interventional Radiology  
 W.B. Saunders Company  
 June, 1998 - Present

Manuscript Reviewer  
 Radiology  
 March 2000~Present

Consensus Panel for use of Reteplase and GPII/IIIa Inhibitors  
 Orlando, FL  
 May 22, 2000

#### Committee Service:

1. South Florida Interventional Radiology Club  
 Local Chapter SCVIR  
 1990 ~ Present
2. Education Division  
 Educational Material Committee  
 Society of CardioVascular & Interventional Radiology  
 1991~ 1997
3. Education Division  
 Training Committee  
 Society of CardioVascular & Interventional Radiology  
 1991 ~ 1997

4. RUC Survey Committee  
Society of CardioVascular & Interventional Radiology  
1995 ~ 1997
5. Program Committee  
American Heart Association  
1991 ~ 1997
6. Council on CardioVascular Disease  
American Heart Association  
1992 ~ Present
7. Transcatheter Therapy Committee  
American Heart Association  
1993 ~ 1996
8. Membership Committee  
American Heart Association  
1993 ~ 1997
9. Infectious Disease Committee  
Baptist Hospital of Miami  
1991 ~ 1992
10. Institutional Review Board  
Baptist Hospital of Miami  
1991 ~ Present
11. Laser Committee  
Baptist Hospital of Miami  
1991 ~ 1994
12. Risk Management Committee  
Baptist Hospital of Miami  
1993 ~ Present
13. Ethics Committee  
Baptist Hospital of Miami  
1993 ~ 1998
14. Peripheral Vascular Laboratory Readers Committee  
Miami Cardiac & Vascular Institute  
1990 ~ Present
15. Quality Assurance/Quality Improvement Committee  
Interventional Services  
Miami Cardiac & Vascular Institute  
1992 ~ Present

16. Interventional Cardiology/Cardiac Surgery  
QA Committee  
Miami Cardiac & Vascular Institute  
1992 ~ Present
17. Non-Invasive Quality Review Committee  
Miami Cardiac & Vascular Institute  
Chairman  
1995 ~ Present
18. Executive Committee  
Miami Cardiac & Vascular Institute  
1992 - Present
19. IVR-VS Credentialing Committee  
Miami Cardiac & Vascular Institute  
1992 - Present
20. MCVI Membership Committee  
Miami Cardiac & Vascular Institute  
1992 - Present
21. Outcome Committee  
Miami Cardiac & Vascular Institute  
1992 - Present
22. Bylaws Committee  
Baptist-South Miami Hospital  
2000
23. Wound Care Center Credentials Committee  
Baptist-South Miami Hospital  
2000

#### Research Activities:

1. Benenati JF, Hicks ME, Becker GJ, Klatte EC: Thrombin Utilization to Control Gastrointestinal Bleeding in Canine Models  
Indiana University Medical Center, 1987.
2. Benenati JF, Soulen M, Sheth S: Color flow Doppler of Renal Arteries: Screening and Post-PTA Follow-Up.  
The Johns Hopkins Hospital, 1989
3. Benenati JF,: Brachytherapy for Restenosis, Paris Trial PI
4. Benenati JF, Co-Investigator: Aortic and Thoracic FDA Endograft Trials,  
EVT - Guidant, Vanguard - Boston Scientific Corp., Talent - World Medical Corp., Excluder - W.L. Gore & Assoc. 1997



5. Benenati JF, Principle Site Investigator: Venous Thrombolysis Registry, 1998
6. Benenati JF, Principle Site Investigator: Pro-UK DVT Study, 1998
7. Antrin Study, Principal Site Investigator -

#### Offices Held:

Steering Committee  
American Association of Academic Chief Residents in Radiology  
1986~1987

Co-Author  
National Survey of Chief Residents  
1986

Quality Assurance Officer  
Cardio Vascular and Interventional Radiology Division  
Department of Radiology  
The Johns Hopkins Hospital, Baltimore, Maryland  
7/89~12/89

Vice-President  
South Florida Society of Interventional Radiology, Inc.  
1993~Present

#### Professional Society Memberships:

1991~1993	American Heart Association, Fellow
1990~Present	Society of CardioVascular and Interventional Radiology - Fellow
1984~Present	Radiologic Society of North America
1989~1992	Florida Medical Association
1989~1992	Dade County Medical Association
1991~Present	South Florida Noninvasive Vascular Society
1980~1990	American Medical Association
1986~1988	American Association of Academic Chief Residents in Radiology
1984~ 1988	American College of Radiology,
1984~ 1988	American Roentgen Ray Society
1984~1988	Indiana State Medical Associate
1984~1988	Marion County Medical Society
1984~1988	Indiana State Residents Society
1995~Present	Society of Vascular Technology
1996~Present	Southeastern Angiographic Society

#### Educational Activities:

Director of Monthly Morbidity & Mortality Conferences  
Cardio Vascular Diagnostic Laboratory Division  
Department of Radiology  
The Johns Hopkins Hospital, Baltimore, Maryland  
7/89~12/89

Director of Journal Club  
 CardioVascular Diagnostic Laboratory Division  
 Department of Radiology  
 The Johns Hopkins Hospital, Baltimore, Maryland  
 7/89~12/89

Director and Founder of Journal Club  
 Miami Cardiac & Vascular Institute  
 Baptist Hospital of Miami  
 Miami, Florida  
 1990~Present

Trainer and Proctor For the Palmaz Balloon Expandable Stent  
 Johnson and Johnson Interventional Systems Co.  
 August 23, 1991~1993

Coordinator of "Legs For Life Program" SCVIR  
 Miami Cardiac & Vascular Institute  
 October 1, 1998  
 September 24, 1999  
 September, 2000

Board Examiner, CAQ Exam for Vascular & Interventional Radiology  
 The American Board of Radiology  
 2000 ~present

#### **Resident Teaching:**

Introduction to Medicine. Enrollment approximately 185. Team Teaching on Radiologic Pathology. Additional assignment for this course: Orthopedic Radiology Lectures at Indiana University School of Medicine. 1984~1988.

Diagnostic Roentgenology and Nuclear Medicine. Enrollment 14-16 per month. Team teaching at Indiana University School of Medicine. 1984~1988.

Basic principles of angiography and interventional radiology monthly lectures to residents at The Johns Hopkins Hospital. 1988~1989.

Monthly Noon Conferences at University of Miami School of Medicine, Department of Radiology. 1990~Present.

University of Florida, Semi-Annual Residents Conference

#### **Clinical Teaching:**

Vascular/Interventional Radiology Fellowship Training Program, Miami Cardiac & Vascular Institute/Baptist Hospital of Miami.